satson®

HDMI-SPL-2008H

1x8 HDMI 1.3 Distribution Amplifier

User Manual

Full HD 1080

HDMI™ HIGH-DEFINITION MULTIMEDIA INTERFACE

x.v.Color

HDCP™ HIGH-DEFINITION CONTENT PROTECTION

7.1 CH AUDIO

RoHS Compliance

FC CE

Made in Taiwan

Safety and Notice

The **HDMI-SPL-2008H 1x8 HDMI 1.3 Distribution Amplifier** has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipments, the HDMI-SPL-2008H should be used with care. Please read and follow the safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.

- Follow all instructions and warnings marked on this unit.
- Do not attempt to service this unit yourself, except where explained in this manual.
- Provide proper ventilation and air circulation and do not use near water.
- Keep objects that might damage the device and assure that the placement of this unit is on a stable surface.
- Use only the power adapter and power cords and connection cables designed for this unit.
- Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.

The **HDMI-SPL-2008H 1x8 HDMI 1.3 Distribution Amplifier** provides the most cost effective and advanced HDMI 1.3 splitter solution on the market, by which the high definition video and high quality audio can be transmitted to 8 different locations without losing quality. With built-in USB firmware update mechanism, the compatibility among countless HDMI sources and receivers can be further guaranteed. With 12 bit deep color video and high definition audio support, HDMI-SPL-2008H is suitable for high quality A/V broadcasting, digital signage and education applications!

Features

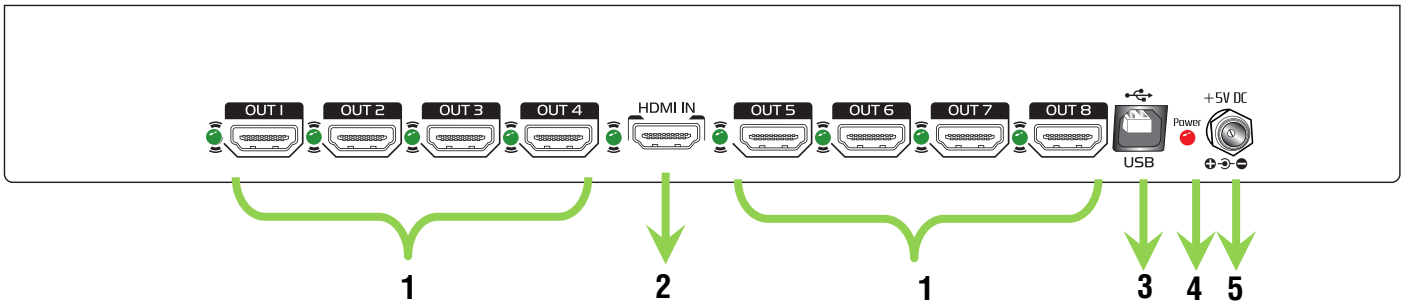
- HDMI 1.3c and DVI 1.0 compliant
- HDCP 1.2 compliant
- Wide Frequency Range: 25MHz~225MHz
- Video bandwidth: 6.75GBPS
- Supports conversion of HDMI signaling to DVI
- Resolution up to 1080p or WUXGA
- Automatic EDID learning
- Supports xvYCC
- USB firmware update for expanding compatibility
- Supports Dolby Digital, DTS-HD and Dolby True HD audio
- Easy installation

Automatic EDID learning will detect all the connected HDMI equipped monitors and analyze all the content of EDID. The EDID with minimal resolution support will be the reference EDID for incoming HDMI source players.

Specifications & Package Contents

Model Name		HDMI-SPL-2008H
Technical		
HDMI compliance		HDMI 1.3c [Deep Color, xvYCC color space supported]
DVI compliance		DVI 1.1
HDCP compliance		Yes
Video bandwidth		Single-link 225MHz [6.75Gbps]
Video support		Up to WUXGA [1920x1200@60Hz] & UXGA [1600x1200@60Hz]
Audio support		DTS-HD Master Audio, Dolby TrueHD Dolby Digital, DTS, DVD-Audio, LPCM, SACD, MPCM
ESD protection		[1] Human body model — ±19kV [air-gap discharge] & ±12kV [contact discharge] [2] Core chipset — ±2kV
PCB stack-up		4-layer board [impedance control — differential 100Ω; single 50Ω]
USB firmware updatable		YES
CEC Channel		No
Input TMDS signal		1.2 Volts [peak-to-peak]
Input DDC signal		5 Volts [peak-to-peak, TTL]
Input		1x HDMI [7.1ch audio & video]
Output		8x HDMI [7.1ch audio & video]
HDMI connector		Type A [19-pin female]
Mechanical		**HDMI-SPL-2008H**
Housing		Metal enclosure
Dimensions (L x W x H)	Model	340 x 95 x 45mm
	Package	510 x 230 x 70mm
	Carton	510 x 410 x 252mm
Weight	Model	910g
	Package	1.7g
Fixedness		Wall-mounting case with screws
Power supply		Interlocking 5V 2A DC
Power consumption		4 Watts [max]
Operation temperature		0~40°C [32~104°F]
Storage temperature		-20~60°C [-4~140°F]
Relative humidity		20~90% RH [no condensation]
Package Contents		1x HDMI-SPL-2008H 2x 1RU rack-mounting ear 1x 5V power adapter 1x User Manual

Input Panel

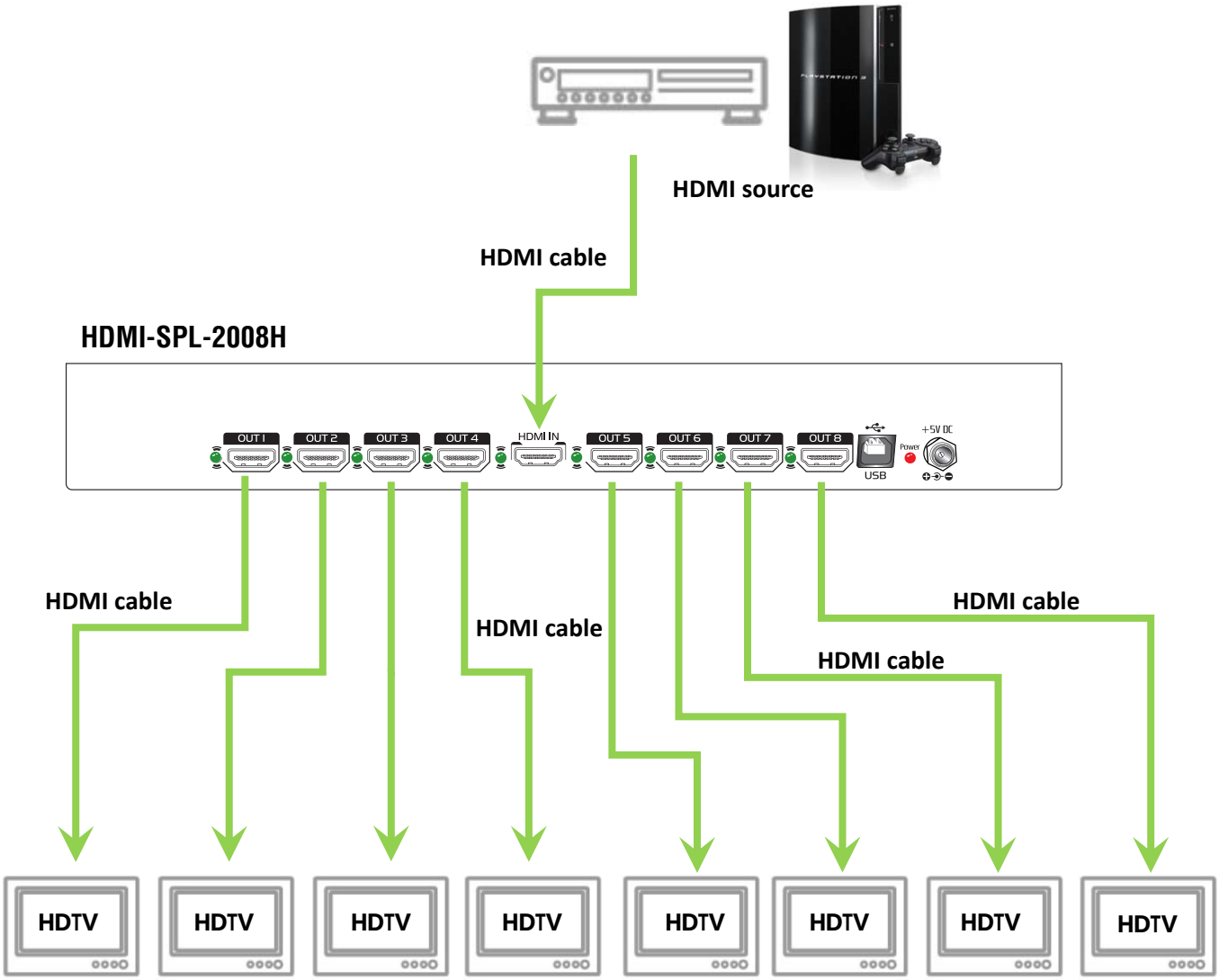


1. **HDMI OUT1-OUT8**: Eight distributed HDMI outputs to HDMI displays
2. **HDMI IN**: Connect to a HDMI input source
3. **USB:** For technical support only [firmware update]
4. **Power**: Lights on when power is on
5. **+5V DC**: Connect to the +5VDC 4A power supply unit

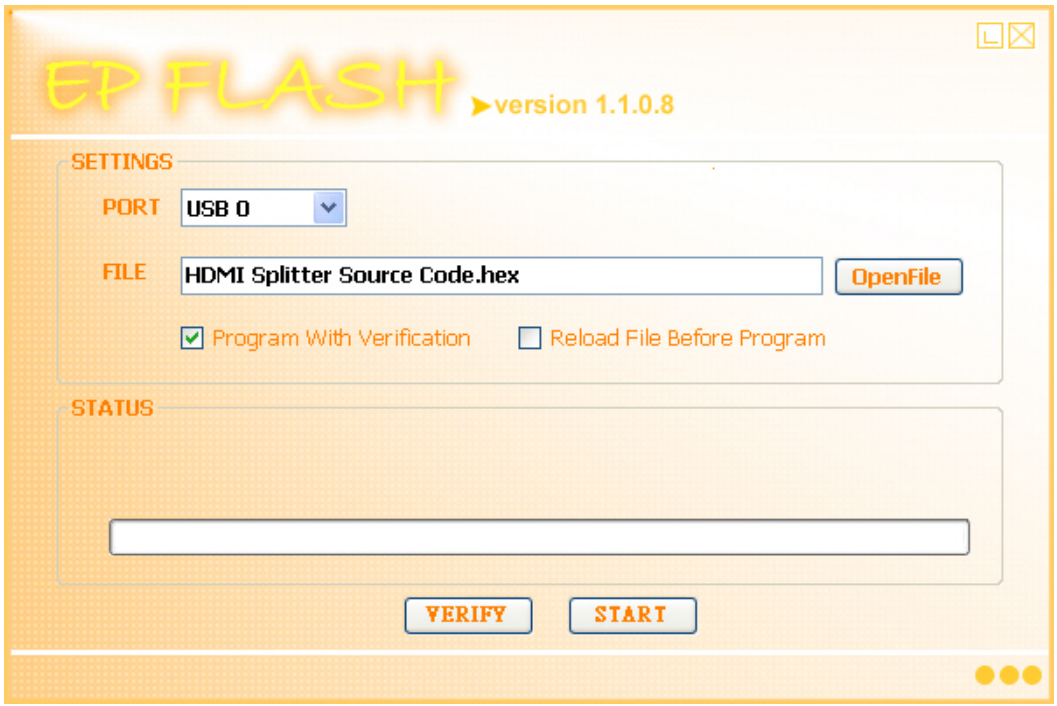
When the connected HDMI equipped monitor is verified as HDMI and HDCP compliant, the corresponding green LED will blink.

Broadcasts HDMI signal to 8 HDMI displays!

1. Switch off all devices, including monitors.
2. Connect to the receivers.
3. Connect an HDMI source (such as a Blu-ray Disc player) to the HDMI In.
4. Plug in 5V DC power supply.
5. Power on the HDMI monitors.
6. Power on the HDMI source.



1. While connecting a new monitor to the splitter, experiencing a short period of time no display may be expected. Automatic EDID learning will analyze the newly connected monitor to see if the EDID for the HDMI input is necessary to update!
2. For long range high definition HDMI transmission applications, please adopt CAT-5 cable based HDMI extenders.
3. For firmware update through USB, users MUST first turn off the power, plug USB cable connected to your PC, and then power up the module! In this setup, the power LED indicator will NOT blink, and this is normal! Execute the attached or download EPFlash.exe, and the following window will pop up. Click on “OpenFile” button to direct to the new firmware HEX file, and keep PORT at USB 0! Meantime, keep “Program With Verification” selected, and then click on “START” button on the bottom of the window! Wait for seconds until the update process is completed! After firmware update is successfully accomplished, please unplug USB cable and power off the splitter!



satson®